Amendments to the Specification

Please replace the paragraph beginning at page 2, line 29, with the following rewritten paragraph:

At decoding in the decoder 150, the inverse of these operations (dequantization/entropy decoding 160 and inverse block transform 170-171) are applied on the decoder 150 side, as ~~show~~ shown in Fig. 1. While reconstructing the data, the inverse matrix M^{-1} (inverse transform 170-171) is applied as a multiplier to the transform domain data. When applied to the transform domain data, the inverse transform nearly reconstructs the original time-domain or spatial-domain digital media.